

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) An image reading device for reading an optical image of an plurality of object components using a camera having pixels arrayed in a line, the image reading device comprising:

(a) a pixel-selecting section for accessing the pixels individually and outputting an image signal;

(b) ~~pixel selecting information providing means for providing pixel selecting information including necessary information to specify a pixel which outputs the image signal;~~
processing-computing section for 1) setting a plurality of image taken-in areas based on mounting data and component data, 2) outputting pixel-selecting information for selecting pixels individually from among the pixels, based on widths of the respective image-taken-in areas, and 3) setting respective start and stop timing of the image signal;

(c) a relative-moving mechanism for moving the plurality of object components relative to the camera;

(d) a relative-movement detector for 1) detecting the plurality of object components moving a given distance in one direction relative to the camera by comparing position information from the relative-moving mechanism with each of the respective taken-in areas to determine whether each of the components is within the taken-in area and 2) providing a movement-detecting signal; and

(e) a controller for controlling said pixel-selecting section based on the pixel-selecting information and outputting a pixel signal supplied from the desirable pixel specified by

~~the pixel-selecting information when said relative-movement detector detects-receives a relative movement for the given distance the movement detecting signal.~~

2. (Canceled)

3. (Currently Amended) The image reading device of claim [[2]] 1, wherein the pixels form a line sensor having a photoelectric transfer element.

4. (Currently Amended) An image reading method for reading an optical image of ~~an object a plurality of components~~ using a camera with pixels arrayed in a line, said method comprising the steps of:

(a) setting a plurality of image-taken-in areas based on mounting data and component data;

(b) generating pixel-selecting information based on widths of respective image-taken-in areas;

(c) setting respective start and stop timing of the image signal;

(~~ad~~) moving the object-plurality of components by a relative-moving device-mechanism in one direction relative to a camera; and

(~~be~~) determining whether each of the components is within the respective taken-in area by comparing position information from the relative moving mechanism with each of respective taken-in-areas; and outputting an image signal from a specific pixel repeatedly based on pixel-selecting information every time the object moves a given distance.

(f) outputting an image signal from a specified pixel repeatedly based on the pixel-selecting information when each of the components moves a given distance relative to the camera when it is determined to be within the respective taken-in-area.

5. (Canceled)

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6. (Canceled)

7. (Canceled)

8. (Canceled)